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KEEPING DOWN SMOKE.

This is the season of the year when careful business men are looking over their heating plants and studying improvements in the equipment in an endeavor to keep down the smoke nuisance which has been increasing with the rapid growth of Ogden.

Suggestions as to the best type of stokers are numerous, and instructions are not wanting as to the method of firing a boiler. But the owners of plants continue to find no real solution of the smoke problem.

Recently in Salt Lake City, the engineer of one of the hotels gave a demonstration to show how to prevent smoke. He did nothing more than mix oil-shale with the coal fed into the fire box, and then he made this explanation:

"By burning oil shale with coal in proportions of about one of shale to four of coal, a perfect combustion is secured. Coal, when used alone, lies on the fire some six to eight minutes before it begins to blaze, and during this period and for a time afterward it gives off heavy gas and carbon which, not having the flame to burn them, pass away in smoke.

"When oil shale is used with the coal in the proportion above stated, a very different action takes place. As soon as the shale is thrown in the fire box it blazes up with a steady, hot flame which burns the gas and carbon that is cast off by the coal, making a perfect combustion and positively no smoke.

"To eliminate smoke in an ordinary furnace using coal alone, it is necessary and so ordered by the city inspectors to open the door of the fire box from two to four inches. This causes cold air to rush over the fire and prevent the smoke showing. The reason for the smoke not showing is because the air thins it out. The gas and carbon are there just the same, and pass up the chimney unburned and invisible, and so many heat units are thereby lost. In my opinion, at least half the efficiency of the coal is lost while the door remains open.

"With the use of oil-shale and coal the door of the fire box is closed tight, securing full efficiency of the fuel. Further attention is called to the greater efficiency of the oil shale-coal fuel, in the fact that the perfect combustion secured and eliminating the smoke leaves the heating surfaces of the boiler clean, allowing it to work at high efficiency at all times, thereby making a big saving in fuel.

"After firing with coal alone the steam gauge drops back from ten to fifteen pounds. Firing with the oil-shale fuel it does not drop back. It rises at once. This must mean much better results from the fuel."

The experiments with oil-shale should be followed up and, if as successful as claimed, a move should be made to test the combination fuel in a furnace in Ogden.

INTRASTATE RAILROAD RATES.

Following the increasing of passenger and freight rates by the Interstate Commerce Commission, a number of railroad commissions of the states have declined to grant intrastate increases. Utah's commission refused to allow passenger rates over 3 cents a mile to be advanced and has blocked the raising of rates on coal and ores. It is said the matter will be taken into the federal courts by the railroads.

The Illinois public utilities commission recently allowed an increase of only 33 1-3 per cent in intrastate freight rates as against the 40 per cent requested, but declined to permit any increase in passenger fares, owing to the existence of a 2-cent a mile fare law in the state.

The Wisconsin railroad commission granted an increase of 35 per cent in line with the action of the federal body, but held that it had no authority to increase passenger rates because of the 2-cent fare law in force in that state.

In New York last week the public service commission for the Second district allowed to the railroads on their request an increase of 40 per cent in intrastate freight rates except on milk and cream, mainly on the ground that the discrepancy between the new intrastate and the former intrastate freight rates would have a disturbing influence on business of every kind and might prove disastrous in some lines. The commission, however, declined to grant the increase of 20 per cent in passenger fares asked for by the railroads on the ground that the rate asked for, 3.6 cents per mile, was in excess of the maximum fixed by statute.

Had the Utah commission granted the increase in freight rate demanded on intrastate shipments of coal, the price of fuel would have been advanced at least 50 cents to consumers in this state.

WOMEN AS MOTHERS.

This existence of ours is becoming more artificial. After proceeding to determine for grown ups a balanced ration, in which appetite is but little consulted, the specialists tell us that too many babies die in the United States because women are not good mothers by instinct.

In yesterday's Standard-Examiner was an article by Julia Lathrop, chief of the United States children's bureau, declaring that one baby out of ten born in the United States dies before it is a year old from causes which in great part are preventable, if the mothers knew their full duty and observed the rules of right living.

This does not seem possible and yet the authority for the same is not to be disputed.

Dentists will tell you that the bad teeth of the people of this country are due to an unbalanced milk diet in infancy; that a big percentage of the milk of mothers is deficient in properties which build up firm teeth and they advocate artificial feeding.

Raisers of livestock were the first to discover the necessity for balanced rations and to consider prenatal conditions. Now the knowledge gained by the livestock men is being applied to the human family.

CITY POPULATION.

One-quarter of the people of this country live in 68 cities and one-tenth are in the three big cities of New York, Chicago and Philadelphia, according to the census figures just completed.

New York has 5,621,151.

Chicago has 2,701,705.

Philadelphia has 1,823,158.

This makes a total of 10,145,521, or more than one-fourth the population of England.

Americans are a nation of city dwellers.

There are 68 cities with a population of 100,000 or more, and a total population of 26,000,000.

The ten largest cities each have more than half a million and are New York, Chicago, Philadelphia, Detroit, Cleveland, St. Louis, Boston, Baltimore, Pittsburgh, Los Angeles, San Francisco and Buffalo.

In the past ten years Los Angeles has gone ahead of San Francisco, although if the "bay region" was included in San Francisco's boundary the latter would have a population of approximately 850,000, or almost 300,000 more than Los Angeles.

COTTON FABRICS FOR FALL DISPLAY ORIGINALITY


—And a rare cleverness of colorings.
Many delightful new weaves are here.
Others arriving daily.

BURT'S

AUTUMN COLORS

Moon Stone, Nanking Blue, Suchow Blue, Deep Sea and Pineapple Green, Azores Twilight, Navy Blue, Malay, Zanzibar, Pearl, Rose Pink, Jade, Turquoise, Bedouin, Bayleaf, Siberian Squirrel, Dryad, Chelof, Bishop's Purple, Etc.

Autumn's NEWEST FABRICS



If "ANTICIPATION is the Better Part of Pleasure" then you will twice enjoy the selection of Woolens, Silks, Cottons, Velvets, which we have gathered together for the incoming season. Fashion tells us it will be a season of color, and backs her statement in these Fall displays. There's the charm of the New in the entire showing, and you'll delight in the extensive variety of distinctive designs and exquisite weaves and colorings.

AUTUMN WOOLENS

Outrivaling in Diversity all Displays of Previous Years.

Veldyne—A real Wool Duveltyne that will wear. A fabric with that soft bloom, depth and richness of coloring that Fashion demands in a Duveltyne—and yet a fabric that one has no qualms about recommending for its dependability. 56 inches wide, \$12.75 a yard.

Marvella—Some of the Smartest Coats of the season will be made of Marvella—new, big, wrappy, loose coats. The deep, irregular pile with a dainty twilled effect gives unusual lights and shadows and a richness that is equally effective with or without furs. 56 inches wide. \$10.50 a yard.

Evora Superior—Another winter fabric of fine suppleness, deep bloom and velvety surface. Particularly effective for the youthful type of Coats and Suits. 56 inches wide. \$7.00, \$8.00 and \$10.00 a yard.

Chiffon Broadcloths—In a complete range of the new fall and winter shades, priced \$6.00, \$6.75, \$7.50.

A Special Showing of the New Skirtings—Broad Stripes, Large Plaids, and Velour Checks. The largest selection that we have ever shown. 56 inches wide. Priced from \$5.50, \$6.25, \$7.50, \$8.00, and \$9.00 a yard.

Winter Coatings—In all the new and favored materials for warm coats. Newest weaves. Priced \$4.50, \$5.50, \$7.00, \$8.00 and \$10.00 a yard.

Fancy Plaids and Checks—For Children's School Dresses. Priced \$1.25, \$1.50 to \$2.00 a yard.

AUTUMN SILKS

Splendid showing of the New Fall and Winter Silken fabrics for street and evening wear. Fashion's Favored weaves Moon Glo Satins, Satin de Lyon, Kitten's Ear Crepes, Crepe Me-teors, Indestructible Voiles, Chinchilla Satins, Satin Barre, Satin Francais, Satin Etoile, Satin Luxor, ranging in price from \$1.65, \$4.50, \$5.25, \$6.00.

Dollars Spent at Home Do Double Duty

They buy the goods that Merchants in your Home Town have on sale and then are carried forth to help do the work necessary to keep your town up-to-date. Every dollar you spend in other towns means so much more you will personally contribute to the money needed for the upkeep of your town. It is profitable to buy at HOME.

AUTUMN VELVETS

Sumptuous Chiffon Velvets, Lyons Velvets, Millinery Velvets, Velutinas, Corduroys, Velveteens, 18-inch Millinery Velvets, in every new and fashionable color. Priced \$2.50 to \$12.50.

Imitation Fur Fabrics for collars, Stoles, cuffs, trimmings and coats, \$13.00, \$16.00, \$22.00.

BURT'S

JUST JOKING

SENSE OF FITNESS.

"Are you going to wear that old silk hat again?" inquired the critical woman.

"Yes, I am going to a funeral and a high hat always looks more melancholy when it's out of style."—Washington Star.

AND HE HAD A BAND ON HIS HAT.

First Class Scout: I can play the piano.

Second Class Scout: That's nothing. I can play the bugle, the violin and the banjo.

Tenderfoot: I got you all beat by a mile. I can play all of those things on the Victrola.—Boy's Life.

CONSIDERING POSTERITY.

Old Multitox—Want to marry my daughter, do you? Think I'll make a nice, comfortable father-in-law, eh?

Young Allinerve—No, I don't but I'm going into this thing with my eyes open. What worries me is that I've picked a pretty rough grandfather for my innocent children.—Detroit News.

FIEND SHOTS GIRL ON WAY TO SCHOOL

SAN MATEO, Cal., Sept. 7.—Thelma Lee, 11 years of age, was shot and killed while on her way to school here today. When Thomas Nelson, sought in connection with the shooting, was surrounded, he shot himself.

The police said Nelson, after shooting the child, approached her mother as she was boarding a train for San Francisco, and informed her of his act. No motive for the act has been found.

JUST FOLKS

By Edgar A. Guest

THE TRAGEDY OF ART.

One painted death's grim head on canvas white;
With somber brush he reproduced the tomb;
He dipped his skill into the paints of doom,
Passing the strength of youth and its delight.

He chose dark subjects, black with fear and fright.

Another saw but sorrow's silenced room,
Once lovely cheeks stripped bare of every bloom,
And with the pen of grief sat down to write.

Both masters these, both men of wondrous skill,
And yet in life they found but hurt and woe.

The sepulchre to which the flesh alone must go,
Are slipping feebly down the last lone hill.

Making life's greatest misery greater still.

When joy had reigned had they but chosen so.

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AS IT LOOKS TO THE INSPECTOR

WASHINGTON, Sept. 7.—The National Woman's party owes \$10,000. The governors of Vermont and Connecticut and the legislature of Delaware should pay this, as if they had done their duty the party would now be in the black instead of in the red. Recent intensive campaigns brought on the liabilities.

But the creditors needn't worry, as women always pay their debts. The party has 50,000 members. It has spent close to a million dollars in the last seven years bringing federal suffrage. At a convention soon, Miss Alice Paul will account to the members for every cent that has been spent and what it went for.

I got it straight from James M. Do-ran, assistant to Dr. Arthur B. Adams, assistant to Prohibition Commissioner John Kramer, that there is nothing in the story that bootleggers cut the bottoms from bottles containing bonded goods and refill them with an inferior brand of whisky. He says that story is one that "will not down," but there is no more truth in it than the one told by Major A. V. Dairymple that they are shooting booze across the Great Lakes in torpedoes.

The story was originated by a bottle concern that blows its glassware from the top instead of the bottom," said Do-ran. "The bottles blown from the bottom have a jagged disc at the bottom and the story was started to discredit the bottles. It is too much of a compliment to say a bootlegger has the skill to cut the bottom from a bottle to refill it. Instead, he would steam the label off and put the in-

terior contents in at the neck."

"The Tennessee legislators who absconded to Alabama to prevent the completion of ratification locked their barn after the horse was stolen," said Alice Paul. "If they really wanted to

defeat ratification, they should have left before we got the amendment through and thereby prevented a quorum." Miss Paul didn't have enough sense of humor to give them this advice before ratification was completed.

BRIACEA

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Nervousness Depression Brain Fog Sleeplessness Loss of Appetite Digestive Troubles

Slow Recovery from Influenza and Kindred Ailments

Are you run down? Are you irritable? Are you overworked? Then try this approved remedy and satisfy yourself of its beneficial ingredients.

Briacea is sold in original 16-oz. bottles only. Refuse all substitutes.

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BRIACEA DRUG COMPANY
Kansas City, Mo.

ASK YOUR DRUGGIST

Street Railway Linemen

WANTED

We have good jobs—permanent—open for experienced street railway shopmen. Good wages and moderate living costs. We also can use electricians, electrical repairmen, welders and grinders.

Apply

THE DENVER TRAMWAY COMPANY

Fourteenth and Arapahoe Streets
Denver, Colo.

On August 1 a strike was called on our property. On August 7 by vote of the union the strike was declared off, but many of our former employes have refused to return to work.